



Department of Commerce

Safety & Buildings Division

201 West Washington Avenue

P.O. Box 2658

Madison, WI 53701-2658

Evaluation #

200241-I (Replaces 960017-I)

## Wisconsin Building Products Evaluation

Material

Polytec Brand Expanded Polystyrene Insulation

Manufacturer

Plymouth Foam Products  
1800 Sunset Dr.  
Plymouth, WI 53073

### SCOPE OF EVALUATION

**GENERAL:** This report evaluates the use of Polytec brand expanded polystyrene insulation, manufactured by Plymouth Foam Products, for use on metal roof deck.

This review includes the cited **Comm** code requirements below in accordance with the **Wisconsin Building and Heating, Ventilating and Air conditioning Code (expires 6/30/02):**

- **Foam Plastic:** The Polytec brand expanded polystyrene insulation was evaluated in accordance with the fire safety requirements of **s. Comm 51.06(4)(e)3**. Polytec brand expanded polystyrene insulation may be applied directly to metal roof deck as part of a listed roof system without the use of an interior thermal barrier.



This review includes the cited **International Building Code (IBC)** requirements below in accordance with the current **Wisconsin Amended IBC Code (effective 7/01/02):**

- **Foam Plastic:** The Polytec brand expanded polystyrene insulation was evaluated in accordance with the fire safety requirements of **s. IBC 2603.1, 2603.2, 2603.3, 2603.5.6 and 2603.7**. Polytec brand

expanded polystyrene insulation may be applied directly to metal roof deck as part of a listed roof system without the use of an interior thermal barrier.



### **DESCRIPTION AND USE**

**General:** Polytec brand expanded polystyrene insulation board may be applied directly to steel roof decks that meet the minimum requirements for listing (See Number 2 in the system diagram) without the need of a thermal barrier between the foam plastic insulation and the building interior.

### **TESTS AND RESULTS**

The tests and results listed below cover both the WI Building Code **Comm** and current **IBC** requirements.

Polytec brand expanded polystyrene insulation was tested in accordance with the UL Small Scale Fire Test Procedure. Its satisfactory performance resulted in the listing of UL Construction Number 458.

**LIMITATIONS OF APPROVAL**

Building Code Applicable to Projects Submitted for Review Prior to July 1, 2002: The **Comm** limitations below are in accordance with the current **Wisconsin Building and Heating, Ventilating and Air Conditioning Code**:

For use without the thermal barrier normally required under s. **Comm 51.06 (3)**, installation and construction shall be in accordance with UL Construction Number 458.



The **IBC** limitations below are in accordance with the current **Wisconsin Amended IBC 2000 Code**:

For use without the thermal barrier normally required under s. **IBC 2603.7**, installation and construction shall be in accordance with UL Construction Number 458.



This approval will be valid through December 31, 2007, unless manufacturing modifications are made to the product or a re-examination is deemed necessary by the department. The Wisconsin Building Product Evaluation number must be provided when plans that include this product are submitted for review.

**DISCLAIMER**

The department is in no way endorsing or advertising this product. This approval addresses only the specified applications for the product and does not waive any code requirement not specified in this document.

Revision Date:

Approval Date: August 21, 2002 By: \_\_\_\_\_

Lee E. Finley, Jr.  
Product & Material Review  
Integrated Services Bureau